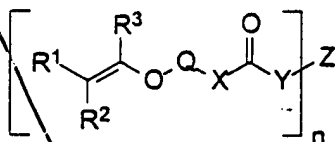


We Claim:

1. A die attach adhesive comprising
- (a) 5 to 30 weight percent of a mixture of a vinyl ether compound
- 5 containing polar functionality and an electron acceptor compound,
- (b) 0.01 to 10.0 weight percent of a free-radical initiator or photoinitiator,
- (c) 70 to 95 weight percent of a conductive or nonconductive filler,
- to a total of 100 weight percent,

10 in which the vinyl ether has the structure



in which

n is 1 to 6;

R¹, R², and R³ are hydrogen, methyl or ethyl;

15 Q is an alkyl or cycloalkyl linear or branched chain having 1 to 12 carbon atoms; an alkyleneoxy chain having 1 to 12 carbon atoms, or aromatic or fused aromatic ring having 3 to 10 carbon atoms and optionally containing the heteroatoms O, N or S;

20 X and Y are independently O, NR¹, or S, with the proviso that both X and Y cannot be oxygen or sulfur;

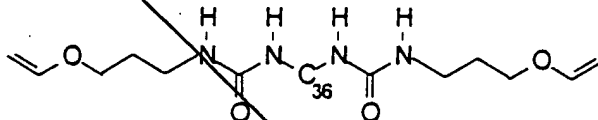
Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

25

2. The die attach adhesive according to claim 1 in which
R¹, R², and R³ are hydrogen,
Q is a linear or branched chain alkyl having 1 to 12 carbon atoms;
and
Z is a linear or branched chain alkyl having up to 36 carbon atoms.
3. The die attach adhesive according to claim 1 in which the filler is a
conductive filler.
4. The die attach adhesive according to claim 3 in which the filler is
silver.
5. The die attach adhesive according to claim 1 in which the filler is
tetrafluoroethylene.

polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

7. The vinyl ether compound according to claim 5 having the structure



5

in which C₃₆ is a mixture of isomers of a 36 carbon linear or branched chain.

8. An adhesive composition containing the vinyl ether compound according to claim 5, a free radical initiator or photoinitiator, and optionally a
10 conductive or nonconductive filler.

Good
A2